ABSTRACT

A rubber composition for tires which comprises 100 parts by mass of (A) copolymer (a) which is a styrene-butadiene copolymer having a weight-average molecular weight of 4.0×10^5 to 3.0×10^6, as obtained in accordance with gel permeation chromatography and expressed as the value of corresponding polystyrene, a content of the bound styrene St(a) of 10 to 50% by mass and a content of the vinyl unit in the butadiene portion of 20 to 70%; 10 to 200 parts by mass of (B) copolymer (b) which is a hydrogenated styrene-butadiene copolymer having a weight-average molecular weight of 5.0×10^3 to 2.0×10^5, as obtained in accordance with gel permeation chromatography and expressed as the value of corresponding polystyrene, a content of the bound styrene St(b) which is in the range of 25 to 70% by mass and satisfies a relation expressed by equation (I) and a fraction of hydrogenated double bond in the butadiene portion of 60% or greater and (C) at least one substance selected from resins providing tackiness to the rubber composition and liquid polymers having a weight-average molecular weight of 1,000 to 50,000.

$$St\,(b) \geqq St(a) + 10 \qquad \cdots (I)$$